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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/511,037	01/19/2005	Klaus Michael Debatin	085449-0152	6277
	7590 03/17/200 LARDNER LLP	EXAMINER		
SUITE 500 3000 K STREE	T NIW	SANG, HONG		
WASHINGTO			ART UNIT	PAPER NUMBER
			1643	
			MAIL DATE	DELIVERY MODE
			03/17/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/511,037	DEBATIN ET AL.		
Examiner	Art Unit		
HONG SANG	1643		

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The MAILING DATE of this communication appe	ars on the cover sheet with the c	correspondence add	ress
THE REPLY FILED <u>18 February 2009</u> FAILS TO PLACE THIS A		-	
1. The reply was filed after a final rejection, but prior to or on application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Apperior Continued Examination (RCE) in compliance with 37 C periods:	the same day as filing a Notice of A eplies: (1) an amendment, affidavi al (with appeal fee) in compliance	Appeal. To avoid abar t, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
a) The period for reply expires <u>5</u> months from the mailing date	of the final rejection.		
b) The period for reply expires on: (1) the mailing date of this An no event, however, will the statutory period for reply expire to Examiner Note: If box 1 is checked, check either box (a) or (IMONTHS OF THE FINAL REJECTION. See MPEP 706.07(f	dvisory Action, or (2) the date set forth tter than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE ).	g date of the final rejection FIRST REPLY WAS FII	n. LED WITHIN TWO
Extensions of time may be obtained under 37 CFR 1.136(a). The date of have been filed is the date for purposes of determining the period of extunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL	ension and the corresponding amount of the hortened statutory period for reply origi	of the fee. The appropria nally set in the final Offic	ate extension fee e action; or (2) as
<ol> <li>The Notice of Appeal was filed on A brief in completing the Notice of Appeal (37 CFR 41.37(a)), or any exter Notice of Appeal has been filed, any reply must be filed with AMENDMENTS</li> </ol>	sion thereof (37 CFR 41.37(e)), to	avoid dismissal of the	
<del></del>	t prior to the date of filing a brief	مطالم مسلم مسلم مسلم النبيد	
3.  The proposed amendment(s) filed after a final rejection, be (a) They raise new issues that would require further cor (b) They raise the issue of new matter (see NOTE below (c) They are not deemed to place the application in bett appeal; and/or	isideration and/or search (see NOT w);	ΓE below);	
(d) ☐ They present additional claims without canceling a c NOTE: (See 37 CFR 1.116 and 41.33(a)).	orresponding number of finally reje	ected claims.	
4. The amendments are not in compliance with 37 CFR 1.12  5. Applicant's reply has overcome the following rejection(s):		mpliant Amendment (l	PTOL-324).
<ol> <li>Newly proposed or amended claim(s) would be all non-allowable claim(s).</li> </ol>	owable if submitted in a separate, t	timely filed amendmer	nt canceling the
7.  For purposes of appeal, the proposed amendment(s): a) [how the new or amended claims would be rejected is prov The status of the claim(s) is (or will be) as follows: Claim(s) allowed:		l be entered and an e	xplanation of
Claim(s) objected to: Claim(s) rejected: <u>45-52</u> . Claim(s) withdrawn from consideration: <u>35-43</u> .			
AFFIDAVIT OR OTHER EVIDENCE			
8. The affidavit or other evidence filed after a final action, but because applicant failed to provide a showing of good and was not earlier presented. See 37 CFR 1.116(e).			
9. The affidavit or other evidence filed after the date of filing a entered because the affidavit or other evidence failed to or showing a good and sufficient reasons why it is necessary	vercome <u>all</u> rejections under appea and was not earlier presented. Se	al and/or appellant fail ee 37 CFR 41.33(d)(1	s to provide a ).
10.  ☐ The affidavit or other evidence is entered. An explanatior REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after er	ntry is below or attach	ed.
11. The request for reconsideration has been considered but see continuation sheet.	does NOT place the application in	condition for allowan	ce because:
12. Note the attached Information <i>Disclosure Statement</i> (s). (13. Other:	PTO/SB/08) Paper No(s)		
	/Christopher H Yaen/ Primary Examiner, Art U	nit 1643	

Continuation of 11, does NOT place the application in condition for allowance because applicant's arguments are not persuasive to overcome the rejections of record. Specifically, applicants argue that Ford reference teaches away from the instant invention and the examiner is relying upon impermissible hindsight. Applicant's arguments have been carefully considered but are not persuasive. Ford et al. disclose that many proteins have been successfully transported into a wide variety of human and murine cell types using the TAT PTD methodology (see page 2, column 2, paragraph 2). The molecules which have been successfully transported into cells in vitro and in vivo include large proteins and small peptides (see page 2, column 2). Ford et al. disclose that denatured TAT protein as well as regions of the TAT protein have shown to be able to efficiently transport proteins and peptides into cells (see page 2, column 2). Ford et al. expressly state that protein transduction may also enable more efficient penetration and delivery at solid tumor sites (see page 3, column 1, last paragraph). While the full length TAT protein has been shown to stimulate growth of Kaposi's sarcoma-derived cells, the claims are not drawn to a method of treating sarcoma. There is no teaching in the art that TAT protein stimulates growth of any other cancer cells. The instant claims encompass using regions of the TAT protein, which are not known to be tumorgenic. Furthermore, the instant claims are drawn to a product per se (emphasis added). The motivation to make a TAT-SMAC fusion protein may simply be in vitro delivery of SMAC into different cells including tumor cells and further study of the functions and apoptotic effects of SMAC proteins in different cells. One of skilled in the art would have had a reasonable expectation to make a fusion protein comprising TAT-SMAC because methods of making fusion proteins were well known in the art at the time the instant invention was made. In response to arguments that Ford et al. do not specifically teach using TAT PAD to transport chemotherapeutic agents into cancer cells, Applicants are reminded the instant rejection is 103(a) rejection. Ford et al. disclose using PTD methodology to transport chemotherapeutic agents. It would have been obvious to one skilled in the art to use any of the three disclosed PAD molecules to transport chemotherapeutic agents. Finally, applicant argued that the examiner uses hindsight reasoning to establish the prima facie case. Applicant s arguments have been carefully considered but are not deemed persuasive to overcome the rejection of record. "Any judgment on obviousness is in a sense necessarily a reconstruction based on hindsight reasoning, but so long as it takes into account only knowledge which was within the level of ordinary skill in the art at the time the claimed invention was made and does not include knowledge gleaned only from applicant's disclosure, such a reconstruction is proper." Ln re McLaughlin 443. F.2d 1392, 1395, 170 USPQ 209, 212 (CCPA 1971). In the instant case, the prior art teach SMAC proteins can induce cancer cell apoptosis and TAT has been used successfully to transported peptides and proteins into various types of cells. Thus the use of TAT or fragments thereof to transport SMAC proteins into different cells including tumor cells to study the function and effect of SMAC proteins in the cells, was clearly in the purview of those of ordinary skill in the art and was within the knowledge of 'those in the art at the time the invention was made. Because of these reasons, the rejection is deemed proper and therefore maintained.

The objection to claim 46 is withdrawn in view of applicant's amendment to the claim.

The notice to comply with sequence rules is withdrawn in view of applicant's arguments.